

1622 - STEEL POSTS FOR DELINEATOR MARKERS

SECTION 1622

STEEL POSTS FOR DELINEATOR MARKERS

1622.1 DESCRIPTION

This specification governs steel posts intended for the support of delineator markers.

1622.2 REQUIREMENTS

a. General. Provide posts that have the symmetrical cross section profile of a channel with flared and extended flanges as displayed in **FIGURE 1622-1** for the channel or 'U' type post cross section. Make the cross section uniform throughout the post length. Specific fabrication requirements are as specified in the Contract Documents. The nominal post length is 7 feet unless specified otherwise in the Contract Documents. The post weight per foot is governed by this subsection.

Perforate the web center of the post with 3/8 inch diameter holes on 1 inch centers, initiating at 1 inch from one end of the post relative to the first hole center. Perforate the post for not less than 2 feet. Perforating the total length of the post is permitted. The method of perforation is at the discretion of the post manufacturer; however, the holes must be uniform in diameter, de-burred, and smooth sided.

Provide posts with a mass per unit length of 1.1 lbs/ft. The tolerance on this requirement is -3, +10%. It is preferable that the weight per unit length be determined on non-perforated, non-coated posts. If this is not possible or practical, the unit length weight may be near the lower end of the tolerance band. Compensate for any coating that is present during determination of the unit length weight.

FIGURE 1622-1, Channel or 'U' Type Post Cross Section



b. Material Specifications. The selection of the basis steel for production of the posts is at the discretion of the post manufacturer.

Protect posts from corrosion by application of an organic zinc coating or a zinc coating by the hot dip galvanizing (HDG) process or produced from HDG sheet steel. The color of the organic coating is to be as specified by the KDOT. Perform all perforating and machining operations prior to application of the organic coating or HDG of the finished post. Non-coated edges on posts produced from HDG sheet steel are acceptable. The method of corrosion protection utilized is at the discretion of the post manufacturer.

Remove all burrs, fins, sharp projections, etc. from all finished posts.

1622.3 TEST METHODS

Not applicable.

1622.4 PREQUALIFICATION

Not applicable.

1622.5 BASIS OF ACCEPTANCE

Inspection of delivered posts for compliance with dimensional and corrosion protection coating requirements, quality of workmanship, delivery condition, and any other requirements as may be specified in the Contract Documents.